45. Sitzung der AG Seismologie

Rastatt

Programm

Dienstag, 24. September 2019

Vorträge / Talks I: 14:00-15:30

Wolfgang Friederich, Joachim Ritter:
    Eröffnung der 45. Sitzung

K. Stammler, M. Dohmann, T. Grasse, M. Hanneken, E. Hinz, M. Hoffmann, E. Muhire, L. Menke, C. Müller, U. Stelling, E. Wetzig:
Bericht über das Seismologische Zentralobservatorium der BGR (SZO)

Angelo Strollo, Frederik Tilmann & GEOFON Team:
    Neuigkeiten von GEOFON

Christian Haberland:
    Geophysikalischer Gerätepool (GIPP) – Statusbericht 2019

Kathrin Lieser, Dmitry Storchak, Lonn Brown, James Harris, Blessing Shumba, Rebecca Verney, Charikleia Gkarlaouni, Burak Sakarya, Domenico Di Giacomo, Kostas Lentas:
    An update on the ISC Bulletin Rebuild project and a new ISC service

Vorträge / Talks II: 16:00-18:00

Antje Schlömer, DSEBRA Core-Group:
    DSEBRA: das Deutsche Seismologische Breitbandarray

Ben Heit, Azam Najafabadi, Stefan Mroczek, Gesa Petersen, Luigia Cristiano, Rens Hofman, Christian Haberland, Frederik Tilmann, Michael Weber:
    The Swath D deployment in the Eastern Alps: overview and preliminary results

Marcel Paffrath, Wolfgang Friederich:
    Teleseismic P-wave travel time tomography of the Alpine mantle using AlpArray Seismic Network data

Rainer Kind, Walter D. Mooney and Xiaohui Yuan:
    New insights into the structural elements of the upper mantle beneath the contiguous United States from S-to-P converted seismic waves

F. Krüger, A. Plötz, W. Geissler, C. Haberland, S. Shibaev, B. Baranov, N. Tsukanov, D. Vollmer:
    Detection and Location Capability of the TIXI seismic array for events in the Laptev Sea Rift Region (Northeast Siberia)

Mittwoch, 25. September 2019

Vorträge / Talks I: 9:00-10:30

Martin Knapmeyer, Brigitte Knapmeyer-Endrun:
   InSight: Meilensteine und Missionsstatus, oder: Was bisher geschah

Martin Knapmeyer, Simon Stähler, Maren Böse, Tom Pike und das MQS Team der ETH Zürich:
   Marsbebenstatistik: Zeitliche Verteilung und seismische Momenten-Rate

Brigitte Knapmeyer-Endrun, Rakshit Joshi, Vedran Lekić, Paul Davis, Philippe Lognonné, Baptiste Pinot, John-Robert Scholz:
   Mars vs. Blind Test – erste Receiver Functions für InSight

Eva P. S. Eibl, Sebastian Hainzl, Nele I. K. Vesely, Thomas R. Walter, Philippe Jousset, Gylfi Páll Hersir, Torsten Dahm:
   Eruption frequency of Strokkur geyser, Iceland

Vorträge / Talks II: 11:00-12:30

Thomas Braun, Joachim Wassermann:
   Neues vom Stromboli

Dahm, T., Cesca, S., Heimann, S., Hensch M., Rivalta:
   The seismic sounds of "plutons": recent examples of magma reservoir unrest

E. Gottschämmer, A. Nüsse, A. Rohnacher, K. Drach, W. Carter, S. De Angelis, Y. Lavallee, A. Roca, P. Castellanos, G. Chigna, A. Rietbrock:
   New insights from long-term seismic, infrasound and thermal measurements at Santiaguito volcano, Guatemala

Bocchini, G.M., Ruscic, M., Becker, D., Meier, T., van Keken, P.:
   Variable spatio-temporal clustering of microseismicity in the Eastern Hellenic Subduction Zone as possible indicator for fluid migration

Postersession: 14:00-16:00

All authors / alle Autoren:
   One-minute madness

Laura Barth and Thomas Plenefisch:
   The May 2018 earthquake swarm in Vogtland/NW-Bohemia: Spatiotemporal evolution and focal mechanism determinations

Cremanns, M., Schmid, Kopp, H., Lange, D.:
   Microseismicity and active tectonics of the Fonualei Rift and Spreading Center

Amr El-Sharkawy, Thomas Meier, Sergei Lebedev, Mona Hamada, Luigia Cristiano and Christian Weidle:
   The Slab Puzzle of the Alpine-Mediterranean Region: evidence from a new high resolution shear wave velocity model of the upper mantle

N. Gestermann, M. Bischoff, T. Plenefisch, Ayk Schindewolf:
   Assessing areas of potential damage after induced events for legal regulations in Germany

Sebastian Heimann, Marius Kriegerowski, Marius Paul Isken, Nima Nooshiri, Andreas Steinberg, Henriette Sudhaus, Hannes Vasyura-Bathke, and Torsten Dahm:
   Pyrocko - A Versatile Software Framework for Seismology

Janis Heuel, Wolfgang Friederich:
   Clustering and Prediction of Wind Turbine Noise: Site Selection and Introduction of a Clustering Method using Unsupervised Learning

Benjamin Homuth:
 Mikroseismizität in Hessen - Die Erdbebenserie bei Bad Schwalbach im Taunus

Marius Paul Isken, Torsten Dahm, Henriette Sudhaus, Sebastian Heimann, Rongjiang Wang:
 Earthquake Source Modeling from GRACE-FO Satellite Gravity, Geodetic and Seismological Observations?

F. Limberger, M. Lindenfeld, H. Deckert, G. Rümpker:
 Project KWISS - Characterization of seismic signals produced by wind turbines

Mader, S., Reicherter, K., Ritter, J. and the AlpArray Working Group:
 New insights into the nature of the Albstadt Shear Zone, Germany

Tobias Neuffer:
 Seismische Störsignale durch Windenergieanlagen: Evaluierungsmodell für Netzwerkperformance und mögliche (deep learning) Kompensationsmethoden

John-Robert Scholz , Paul Davis , Rudolf Widmer-Schnidrig, Salma Barkaoui, Philippe Lognonné, Eléonore Stutzmann, Francis Nimmo, Guenolé Mainsant, Laurent Pou, Baptiste Pinot, Raphaël F. Garcia, Anna Horleston and DPWG:
 InSight mission: removing glitches from SEIS' time series data

Lutz Sonnabend, Sigward Funke, Michael Korn:
 Imaging the Leipzig-Regensburg-Zone (East Germany) applying moment tensor inversion to low magnitude local earthquakes

Johannes Stampa:
 Body Wave Tomography of the Alpine Region Using AlpArray Data - Automated Picking of P- and S-Phases

Tesch, M., Meier, T.:
 Fundamental Mode Surface Wave Phase and Amplitude Distributions within AlpArray

Lars Wiesenberg, Christian Weidle, Amr El-Sharkawy, Thomas Meier, Sergei Lebedev:
 Ambient Noise Tomography across the Oman Ophiolite

Lars Wiesenberg, Frank Krüger, Christian Weidle, Thomas Meier:
 Structural Analysis of Northern Oman using Receiver Functions

Vorträge / Talks III: 16:00-18:00

Kilian B. Kemna, Alessandro Verdecchia, Rebecca M. Harrington:
 Correlating earthquake static stress drop values with fault complexity in the 2016 Amatrice-Norcia earthquake sequence, Central Italy

Lindner, M., Rietbrock, A., Frietsch, M.:
 Did the 2007 Mw7.4 intermediate-depth Martinique earthquake rupture on two orthogonal faults? Evidence of a reactivated subducted ridge-parallel transform fault

Verena Simon, Toni Kraft, Tobias Diehl, and Stefan Wiemer:
 High-resolution imaging of foreshock patterns in microearthquake sequences in Switzerland

Rebecca M. Harrington, Marco P. Roth, Yajing Liu, Andres P. Castro, Alessandro Verdecchia, John Onwuemeka:
 Induced seismicity in the Montney Basin, British Columbia: Stress chatter on a fault/fracture network reactivated by hydraulic fracturing

Tobias Diehl, Edi Kissling, Timothy Lee:
 Pg and Sg Velocity Models for High-Resolution Seismotectonic Interpretation of Seismicity in Switzerland

Mitgliederversammlung: 20:00

Donnerstag, 26. September 2019

Vorträge / Talks: 9:00-10:30

Frederik Tilmann, Alexandra Mauerberger, Hamzeh Sadeghisorkhani:
Another look at the treatment of data uncertainty in the presence of outliers

Thomas Forbriger:
Approximation errors in three-channel correlation analysis

Thomas Forbriger, Walter Zürn, Rudolf Widmer-Schnidrig:
The STS-1 still challenges latest sensors with low self-noise at large signal period

D. Becker, T. Kruse, C. Hadziioannou, T. Meier:
Was verursacht die zeitliche Variabilität der Meeresmikroseismik an der Station Helgoland?

Vorträge / Talks: 11:00-12:00

Nikolaus Lerbs, Toni Zieger, Hortencia Flores-Estrella, Joachim Ritter, Michael Korn:
Definition von Schutzradien um seismologische Messeinrichtungen bei der Errichtung von Windkraftan-lagen

Dahm, Woith, Fischer, Korn, Krüger and the ICDP-Eger Science Team:
Activity report and achievements of the ICDP-Eger drilling project